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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Marino SANCHEZ NINA

Patent No: 6,922,969

Art Unit: 3635

Issue Date: August 2, 2005

Title: IMPROVED ARRANGEMENT TO CONFIGURE CONSTRUCTION

Examiner: Katcheves, Basil S.

September 14, 2005

Attorney's Docket No. GES201 T3

TRANSMITTAL LETTER

Commissioner for Trademarks
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Arlington, Virginia 22202-3513

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SEP 28 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : US 6,922,969
DATED : Aug. 2, 2005
INVENTOR(S) : MARINO SANCHEZ NINA .

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

INVENTOR: MARINO SANCHEZ NINA

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PATENT NO. 6,922,969

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(12) **United States Patent**
Mina

(10) Patent No.: **US 6,922,969 B1**
(45) Date of Patent: **Aug. 2, 2005**

(54) **ARRANGEMENT FOR CONFIGURING BUILDING ELEMENTS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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§ 371 (c)(1),
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(30) **Foreign Application Priority Data**

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(51) Int. Cl.⁷ **E01C 3/29**

(52) U.S. Cl. **52/738.1; 52/737.4; 52/731.7; 52/309.16**

(58) Field of Search **52/738.1, 737.4, 52/731.7, 732.1, 309.15, 309.16**

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,855,021 A * 10/1958 Hoppe 156/78
3,778,949 A 12/1973 Hellrich
3,810,337 A * 5/1974 Pollard 52/223.8
3,983,205 A 9/1976 Barrett

4,081,941 A * 4/1978 Van Ausdall 52/726.2
4,289,303 A 9/1981 Hamm
4,461,134 A * 7/1984 Lowe 52/731.7
4,606,167 A * 8/1986 Thorne 52/737.4
4,981,004 A * 1/1991 Weber 52/738.1
5,379,567 A * 1/1995 Vahey 52/724.5
5,471,809 A * 12/1995 Frankel 52/737.4
6,505,454 B2 * 1/2003 Dingler 52/729.5

FOREIGN PATENT DOCUMENTS

DE 3544544 5/1987
DE 4106036 10/1998
DE 19818769 11/1999
GB 0785283 10/1957
JP 7317209 12/1995

* cited by examiner

Primary Examiner—Carl D. Friedman

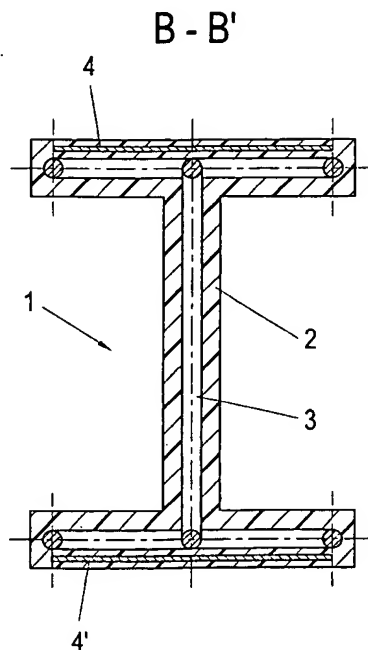
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(57) **ABSTRACT**

An improved arrangement to configure construction components consisting of the combination of metal and plastic to obtain a product with more mechanical properties than those of the separate materials, constituted by an internal metal structure covered by a plastic surrounding (2) or (12) or (22) or (32) or (42) or (52) or (62) or (72) or (82) or (92) or (102) or (112) to which, a metallic laminate is joined (4) and (4') or (84) or (114) and (114') for reinforcement in the bolted joints, applying the resulting composite in the manufacture of rails and beams (1), pipes (10), rods (20), channels (30), angles (40), flatbars (50), "Z" (60), profiles (70), beams (80), corrugated plates (90), smooth plates (100) or structures (110).

20 Claims, 9 Drawing Sheets



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